



National Weather Service

Storm Data and Unusual Weather Phenomena



July 1997

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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WISCONSIN, Southeast

Sauk County Reedsburg	01	2315CST			0	0	10K		Thunderstorm Wind
Sauk County 4 NE Reedsburg	01	2320CST			0	0	6K		Lightning
Lafayette County Belmont	02	0000CST			0	0	1K		Hail (2.00)
Iowa County 3 E Rewey to 6 E Rewey	02	0010CST 0015CST			0	0	10K	200K	Hail (1.75)
Waukesha County Brookfield	02	0215CST			0	0	105K		Lightning
Racine County Racine	02	0245CST			0	0	0.10K		Lightning

Large hail, high winds, and lightning let loose over south-central Wisconsin causing damage to trees and power lines with 45 minute power outages in Reedsburg (Sauk Co) and a lightning induced home fire just northeast of Reedsburg. Hail pummeled the area east of Rewey (Iowa Co) destroying crops and damaging property. As the storms moved east lightning struck a home in Brookfield (Waukesha Co) burning the attic, garage, and breezeway. The Main Street bridge in the city of Racine (Racine Co) was also struck by lightning, shorting out the motor that operated the lift and thereby disabling the draw bridge.

Milwaukee County Shorewood	02	1800CST			0	0	25K		Lightning
Lightning induced fire destroyed a garage and parked car.									
Sauk County 6 SE Reedsburg	08	0100CST			0	0	8K		Lightning
Lightning bounced off a large tree and struck a home, blowing a hole in the wall and causing smoke damage to home.									
Dane County Madison	08	0420CST			0	0	6K		Lightning
A Madison Gas & Electric substation sustained a direct lightning hit leaving 2800 patrons without power for 3 hours.									
Washington County 2 S Kewaskum	13	1223CST			0	0			Hail (1.00)
Ozaukee County Grafton	13	1317CST			0	0	0.20K		Lightning
Lightning struck a fuse box at a Wisconsin Electric power company, leaving 150 homes without power for 5 hours									
Columbia County 3 E Portage	16	2125CST			0	0	80K		Lightning
Much of a barn and most of it's contents were destroyed in a lightning induced fire.									
Dane County Madison	16	2200CST			0	0	15K		Lightning
A lightning bolt struck a home and started an attic fire.									
Jefferson County 2 NNE Ixonia	16	2200CST			0	0	250K		Lightning
Lightning struck a machine shed. The ensuing fire destroyed the half-dozen pieces of farm equipment inside									



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<u>WISCONSIN, Southeast</u>									
Dane County									
Madison	16	2205CST			0	0	0.20K		Lightning
									Lightning struck and damaged a home 's chimney.
Dane County									
Madison	16	2245CST			0	6			Lightning
									An off-shoot branch of lightning struck 6 people, knocking them off their feet and causing headaches & numb fingers.
Fond Du Lac County									
Fond Du Lac	16	1658CST			0	0	20K		Thunderstorm Wind
Green Lake County									
Green Lake	16	1713CST			0	0	0.20K		Thunderstorm Wind
Fond Du Lac County									
Fond Du Lac	16	1716CST			0	0			Thunderstorm Wind (G57)
Marquette County									
Neshkoro	16	1720CST			0	0			Hail (0.75)
Sheboygan County									
Elkhart Lake	16	1725CST			0	0	4K		Thunderstorm Wind (G61)
Green Lake County									
Princeton to 3 SW Berlin	16	1730CST			0	0	1K		Thunderstorm Wind
Marquette County									
2 SSE Neshkoro	16	1735CST			0	0	0.40K		Thunderstorm Wind
Green Lake County									
Princeton	16	1740CST			0	0			Hail (1.75)
Fond Du Lac County									
2 NW Waupun	16	1800CST			0	0	2K		Thunderstorm Wind
Dodge County									
Waupun to 4 WSW Waupun	16	1810CST			0	0	1.5K		Thunderstorm Wind
Green Lake County									
Princeton	16	1830CST			0	0			Hail (1.00)
Marquette County									
6 NNE Westfield	16	1835CST			0	0	0.50K		Thunderstorm Wind
Dane County									
Marshall	16	1900CST			0	0	1.1K		Thunderstorm Wind
Jefferson County									
Waterloo	16	1900CST			0	0	0.70K		Thunderstorm Wind
Marquette County									
4 N Westfield	16	1912CST			0	0			Hail (0.75)
Washington County									
West Bend	16	1920CST			0	0	10K		Lightning
Milwaukee County									
Milwaukee	16	1942CST			0	0	0.80K		Thunderstorm Wind
Columbia County									
3 NE Pardeeville	16	2015CST			0	0	35K		Thunderstorm Wind

A hot summer afternoon spawned a series of severe thunderstorms which swept across south-central and southeast Wisconsin dropping large hail and causing wide scattered tree and power line damage. In the city of Fond du Lac a tree fell on a home causing significant damage to the roof and second story rooms. In the Elkhart Lake region of Sheboygan county, 70 mph winds were reported with numerous trees downed. High winds and tree damage were reported all across the northern half of Sheboygan county. Lightning played a destructive role when two homes were hit in West Bend, (Washington Co) starting a fire that damaged walls and



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WISCONSIN, Southeast

roofs. Thunderstorm winds were responsible for pushing trees on a home and a parked pickup truck just northeast of Pardeville (Columbia Co).

WIZ052-066

Sheboygan - Milwaukee

16	1700CST 2300CST	1	0	Excessive Heat
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Hot, muggy air settled over southeast Wisconsin. A new daily maximum temperature of 98 was set in Sheboygan, breaking the old record of 97 set back in 1931. Although Milwaukee recorded a maximum temperature of 92 (not a daily record), the daytime heat indices reached 110 and stayed above 80 in the evening. This led to a heat-related death of an elderly gentleman living in an apartment on the south side of Milwaukee. M91PH

Dane County

Oregon	18 1300CST 1400CST	0	0	Urban/Sml Stream Fld
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Walworth County

2.5 NE Delavan	18 1311CST	0	0	3K Lightning
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Lightning struck a car on I-43, disabling vehicle completely.

Dane County

Stoughton	18 1315CST	0	0	1K Thunderstorm Wind
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Walworth County

Delavan	18 1320CST	0	0	1K Thunderstorm Wind
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Kenosha County

Twin Lakes	18 1330CST	0	9	1M Thunderstorm Wind
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Nine thousand people were evacuated moments before wet-micorburst winds estimated to 80 mph blew down a stage at the Country Thunder Music Festival. The stage was lifted up and twisted by the winds. Flying debris damaged parked vehicles, and many chairs were scrambled. Interestingly, the stage was anchored with steel cable. However, the local terrain aided in funneling the powerful winds toward the stage. A boat in a nearby yard was lifted up by the same winds and the cover torn off. 9 people were injured, 3 needed to go to the hospital.

Walworth County

Pell Lake	18 1340CST	0	0	1K Thunderstorm Wind
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Kenosha County

Wilmot	18 1343CST	0	0	Funnel Cloud
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Walworth County

2.3 NW Sharon	18 1347CST	0.1	50	0 0 0.10K Tornado (F0)
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A brief tornado touchdown between Highway B and County Line road caused minor damage to a corn field, destroying a 20 by 40 foot swath of produce.

Walworth County

3 SW Lake Geneva	18 1411CST	0	0	Funnel Cloud
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Racine County

Waterford	18 1415CST	0	0	0.40K Thunderstorm Wind
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Racine County

Waterford	18 1422CST	0	0	Funnel Cloud
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Jefferson County

Waterloo	18 1430CST	0	0	50K Lightning
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Lightning struck a home causing significant damage to the second story.

Kenosha County

Twin Lakes	18 1450CST	0	0	Funnel Cloud
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Jefferson County

Waterloo	20 0130CST	0	0	50K Lightning
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A bolt of lightning struck a home, starting a fire that made the upper story unlivable until repair.



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WISCONSIN, Southeast

Kenosha County

Kenosha	21	0150CST 0350CST			0	0	10K		Heavy Rain
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Heavy rains in excess of two inches over two hours caused partial collapse of a warehouse roof

Waukesha County

Pewaukee	21	0205CST			0	0	12K		Lightning
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Lightning struck two homes . One sustained a 2' by 2' hole in the roof, followed by burned holes in the ceiling and floors and damage to personal property. The second home had a burned wall, fan burned, and T.V. blew out

Washington County

West Bend	21	0545CST			0	0	150K		Lightning
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Lightning struck a business building and ignited an attic fire. Walls needed to reinforced and much of the business equipment was ruined.

Milwaukee County

Milwaukee	21	0300CST			0	0	1M		Lightning
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Lightning caused a massive fire at a towing business on the south side of Milwaukee. The building and its contents were a total loss

Jefferson County

1 SE Cambridge	25	1824CST			0	0	2K		Thunderstorm Wind
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Dane County

2 W Waunakee to .5 W Waunakee	25	1838CST 1841CST	1	100	0	0	130K	1K	Tornado (F1)
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Jefferson County

1 WSW Busseyville	25	1850CST			0	0	0.40K		Thunderstorm Wind
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Dane County

De Forest	25	1905CST			0	0			Funnel Cloud
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Dane County

Madison	25	1905CST			0	0	0.50K		Thunderstorm Wind
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Jefferson County

Lake Mills	25	1918CST			0	0			Funnel Cloud
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Dane County

3 SE Waunakee to 1.8 NW Madison Truax Arpt	25	1922CST 1933CST	2.7	175	0	1	388.5K	1K	Tornado (F1)
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Jefferson County

2.3 NE Concord	25	1930CST			0	0	0.50K		Thunderstorm Wind
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Jefferson County

.5 N Hebron	25	1945CST			0	0	0.30K		Thunderstorm Wind
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Dane County

Sun Prairie to Marshall	25	2000CST 2130CST			0	0			Urban/Sml Stream Fld
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Sheboygan County

Plymouth	25	2000CST 2300CST			0	0	0.70K		Urban/Sml Stream Fld
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Dane County

Marshall	25	2002CST			0	0	0.40K		Thunderstorm Wind (G52)
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Jefferson County

2 NE Cold Spg	25	2006CST			0	0	0.20K		Thunderstorm Wind
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Sheboygan County

Sheboygan	25	2200CST			0	0	0.50K		Lightning
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WISCONSIN, Southeast

Severe thunderstorms caused scattered tree and power line damage before becoming explosive and dropping two tornadoes in Dane County near Waunakee. Two funnel clouds were also reported. The first tornado moved east-northeast along Highway 19 just west of Waunakee, damaging 3 homes and 2 outbuildings and destroying a barn and a garage. The second, larger tornado, touched down just west of Highway 113 southeast of Waunakee, and then moved east-southeast across a housing development along and near River Road. It eventually crossed the Yahara River swamp area, hopped and skipped across the Cherokee development, and lifted east of W. Sherman Ave in the northern part of Maple Bluff. This second tornado injured 1 person, damaged 17 homes, and 3 farm buildings. One home sustained major damage, and a pole barn was destroyed. After nightfall the storm's forces took the form of damaging lightning, heavy rains and additional destructive winds. The Jefferson County fair closed early due to the storms. Six inches of rain in 3 hours caused urban street flooding in Dane County with standing water 6 to 8 inches deep in roads around Sun Prairie. Later, heavy rain measuring 1.93 inches caused street flooding in Sheboygan (Sheboygan Co) and flooded the basement of the public High School. Also in Sheboygan, lightning struck a home's TV antenna and shorted out an amplifier.

Sauk County La Valle to Reedsburg	26	1455CST 1500CST			0	0	50K		Thunderstorm Wind
Columbia County Okee to Arlington	26	1512CST 1518CST			0	0	20K	5K	Thunderstorm Wind
Sauk County Lake Delton to Merrimac	26	1515CST 1530CST			0	0	50K		Thunderstorm Wind
Columbia County Portage	26	1520CST			0	0	2K		Thunderstorm Wind
Columbia County Columbus	26	1532CST			0	0	0.40K		Thunderstorm Wind
Dane County 2 NW Waunakee to Marshall	26	1540CST			0	0	151.4K		Thunderstorm Wind (G61)
Jefferson County Lake Mills	26	1600CST			0	0	3K		Thunderstorm Wind (G52)
Dodge County Watertown	26	1615CST			0	0	0.60K		Thunderstorm Wind
Jefferson County Lake Mills	26	1615CST			0	0	10K		Lightning
Jefferson County Watertown	26	1622CST			0	0	15K		Lightning
Jefferson County Jefferson to Ft Atkinson	26	1625CST			0	0	159K		Thunderstorm Wind
Jefferson County Watertown	26	1627CST			0	0	5K		Lightning
Jefferson County 3.8 SE Sullivan to Sullivan	26	1634CST			0	0			Thunderstorm Wind (G51)
Jefferson County Palmyra	26	1645CST			0	0	0.70K		Thunderstorm Wind
Walworth County Darien	26	1645CST			0	0	0.90K		Thunderstorm Wind
Waukesha County Oconomowoc to Eagle	26	1645CST 1648CST			0	0	15K		Thunderstorm Wind
Walworth County East Troy	26	1705CST			0	0	0.60K		Thunderstorm Wind



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WISCONSIN, Southeast

Racine County							
Waterford	26	1710CST			0 0	1K	Thunderstorm Wind
Walworth County							
Lake Geneva	26	1715CST			0 0	1K	Thunderstorm Wind
Milwaukee County							
Milwaukee to Shorewood	26	1718CST 1720CST			0 0	1K	Thunderstorm Wind
Kenosha County							
Slades Corners to Paddock Lake	26	1722CST 1725CST			0 0	2K	Thunderstorm Wind

Late afternoon thunderstorms reached severe limits with numerous reports of wind damage to trees and power lines. Hardest hit was Dane County where wires were down in 500 places and 15,000 customers experienced power outages. Eleven homes were damaged in Sun Prairie and a barn was levelled just north of town. Nine farm buildings were reported to be destroyed. A total of 26 homes and 2 businesses sustained minor damage from this storm event in Dane County. A gustnado was also reported in Sun Prairie. Next hardest hit was Jefferson County where a new High School in Ft. Atkinson still under construction suffered major damage to two walls, and a lightning strike started an attic fire in a nearby residential home. In Sauk County a total of 8000 customers experienced power outages with at least 3 homes and a truck and trailer damaged by trees and/or tree limbs felled by severe winds. About 4000 Columbia County residents lost electrical services due to trees and large limbs damaging power lines. Along the south shore of Lake Wisconsin in Columbia County, the powerful winds damaged 4 boats and destroyed a pier. Further east, tobacco and corn crops were damaged. Waukesha County also experienced widespread tree and power line damage as the storms pushed through with 12,000 customers experiencing power outages in western Waukesha County due to felled trees and power lines. A new pickup was damaged and 4 tents and an amusement ride was damaged in Dousman. (Waukesha Co). Hail up to 3/4 inch in diameter was reported in Lake Mills (Jefferson Co), and 0.88 inch hail was reported in western Kenosha county. Also in Kenosha County, powerful winds stripped roof shingles off of several homes near Highway 50. More lightning joined the weather havoc in Jefferson County with an attic fire in one Watertown home and damage to appliances in another.

Dane County							
Fitchburg	27	0655CST			0 0	2.1K	Thunderstorm Wind
Jefferson County							
2 E Lake Mills	27	0720CST			0 0	0.90K	Thunderstorm Wind
Jefferson County							
2.4 S Ft Atkinson	27	0735CST			0 0	0.70K	Thunderstorm Wind
Walworth County							
2 SE Allen Grove	27	0800CST			0 0	10K	Lightning

Early morning thunderstorms caused scattered tree and power line damage. A lightning bolt struck a tree just southeast of Allen Grove (Walworth Co) and tragically killed 8 dairy cows standing under the tree.